



UNITED STATES MARINE CORPS  
MARINE CORPS LOGISTICS BASES  
814 RADFORD BOULEVARD  
ALBANY, GEORGIA 31704-1128

IN REPLY REFER TO:

4790  
L21  
MAY 15 2001

POLICY STATEMENT 2-01

From: Commander  
To: Distribution List

Subj: POLICY FOR THE DEVELOPMENT OF COST ESTIMATES IN SUPPORT  
OF DEPOT LEVEL MAINTENANCE MISSION

Ref: (a) Maintenance Center Process Improvement Integrated Product Team Charter of  
23 Oct 98

Encl: (1) Cost Estimating Procedures

1. Purpose. This document establishes policy, and provides instruction for preparation of cost estimates used to develop the most effective and efficient depot level maintenance work possible.
2. Background. The reference was prepared as a result of the Better Business Practice efforts, initiated in September 1998. As a result, recommended improvements to cost estimating, a sub-process to planning and scheduling, have been staffed and all changes have been incorporated where applicable. It is anticipated that this living document will change as processes are refined and updated. Routine use of this policy statement, as a means of developing estimates, will permit detailed, product oriented, program management and augment current efforts to implement Earned Value Management throughout MARCORLOGBASES.
3. Policy. All cost estimates developed at the Maintenance Centers in support of the Master Work Program, will be developed using steps outlined in the enclosure. Cost estimates for Foreign Military Sales, Repair and Return, and other service work will be developed using the basic steps outlined in paragraphs 1.3 through 1.8. of the enclosure.

  
R. S. KRAMLICH

Distribution: A

**COST**  
**ESTIMATING**  
**PROCEDURES**  
**24 APR 01**

**Enclosure: (1)**

## **COST ESTIMATING PROCEDURES**

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## ODD CALENDAR YEAR

## EVEN CALENDAR YEAR

JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY

JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY


**Electronic Review of second year workload requirements**

**Changes to second year workload due to MCS**

**JUL/AUG** Compare changes to current history data, baseline SOW's & adjust proposals accordingly

**SEP** Changes to Job Plans & Cost Data Sheets due MD analyze compare Job Plans

**MD provides updated Cost Data Sheets to LCMC & starts development of MWP**

 **DEC** MD continues sourcing & leveling MWP

JAN FINAL SOWs due on WEB

**JAN**

**FINAL SOWs due on WEB**

**OFFICIAL MWP passed to SOR'S & LCMC**

**Review OFFICIAL MWP & FINAL SOWs**

**Conduct Workstart meetings**

**Prepare for negotiations**

**OFFICIAL ESTIMATES due to MD**  
**Review OFFICIAL ESTIMATES & schedule negotiations**

**Budget consolidation**



# COST ESTIMATING PROCESS TIMELINE

## ODD CALENDAR YEAR

▲▲▲▲▲▲▲▲▲▲▲▲▲▲▲▲

JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY

## EVEN CALENDAR YEAR

■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY

▲ JUN Equipment Maintenance Requirements Conference

■ JUN Electronic Review of second year workload requirements

▲ JUL Two (2) year workload requirements baseline SOWs, & ROMs fwded to MCs (e.g. FY01+3=FY04 reqmts, FY01+4=FY05 reqmts)

■ JUL Changes to second year workload due to MCs

▲ JUL/AUG MC pull history, compare data, record changes on Job Plan & compose Cost Data Sheets

■ JUL/AUG Compare changes to current history data, baseline SOW's & adjust proposals accordingly

▲ SEP Job Plans & Cost Data Sheets due 2nd wk of September (1st cut)  
MD analyzes & compares Job Plans submitted from each depot

■ SEP Changes to Job Plans & Cost Data Sheets due  
MD analyze compare Job Plans

▲ OCT Cost Data Sheets for two year workload due to LCMC for POM  
Start development of MWP for one year

■ OCT MD provides updated Cost Data Sheets to LCMC & starts development of MWP

▲ NOV PROJECTED MWP due to LCMC

■ NOV MD provides projected MWP to LCMC

▲ DEC Sourcing decisions & leveling of MWP for one year continues

■ JAN FINAL SOWs due on WEB  
OFFICIAL MWP passed to SOR'S & LCMC

▲ JAN FINAL SOWs due on WEB  
OFFICIAL MWP passed to SOR'S & LCMC  
Review OFFICIAL MWP & FINAL SOWs  
Conduct Workstart meetings  
Prepare for negotiations

■ JAN FINAL SOWs due on WEB  
OFFICIAL MWP passed to SOR'S & LCMC  
Review OFFICIAL MWP & FINAL SOWs  
Conduct Workstart meetings  
Prepare for negotiations

▲ FEB/MAR OFFICIAL ESTIMATES (2nd cut) due  
Review OFFICIAL ESTIMATES & schedule negotiations

■ FEB/MAR OFFICIAL ESTIMATES due to MD  
Review OFFICIAL ESTIMATES & schedule negotiations

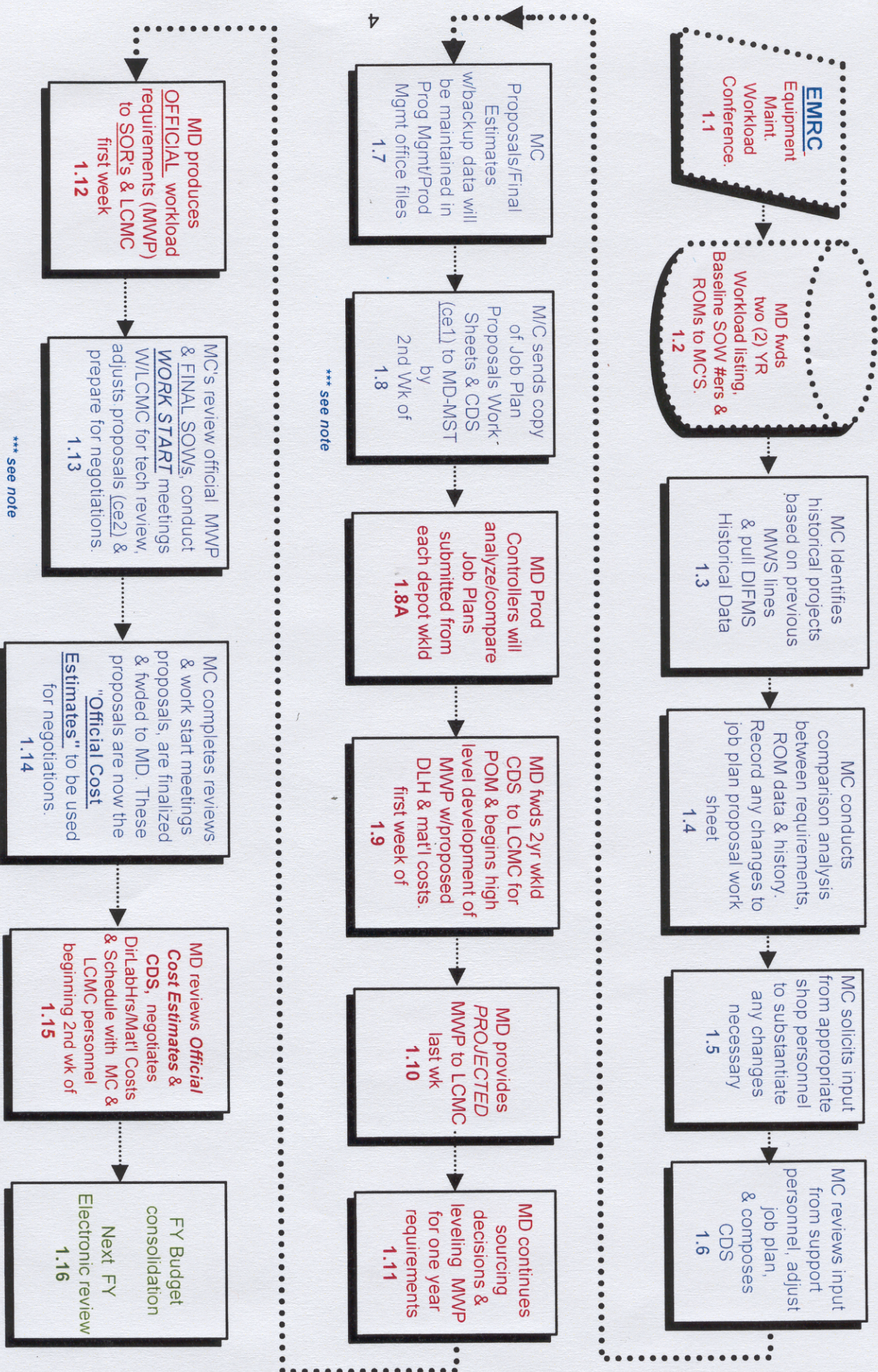
▲ APR Budget consolidation

■ APR Budget consolidation



# Cost Proposal/Estimate Process Flow

Functional Chart



4/24/01



## PROPOSAL/ESTIMATE PROCESS FLOW DESCRIPTIONS

- 1.1. Equipment Maintenance Requirements Conference (EMRC) will take place during the month of JUN each odd calendar year. The requirements will be representative of the workload to be performed 28 to 40 months **prior to execution**. (e.g. FY01+3/FY01+4=FY04/05 Requirements) **JUNE ODD YR**
- 1.2. Requirements for the two out-year workload discussed at the conference, including reference to applicable Baseline Statement of Work (SOW) w/deviations along with a Rough Order of Magnitude (ROM) will be passed from the Maintenance Directorate, Master Scheduling Team (MD) to the Maintenance Centers, Albany and Barstow (MC) during the month of JUL, odd calendar years. This ROM will be developed using latest budget guidance (presbud & approved stabilized rates). (See Exhibit 1A, 1B, 2A & 2B) **JULY ODD YR**

Requirements will be categorized as follows:

- 1) previously performed workload with historical data available
- 2) new workload with no known historical data available.

The Maintenance Centers should only have to perform a detailed review on ROM data submitted as “previously performed” requirements when there is non-concurrence. Proposals for Weapons Systems categorized, as “new requirements with no known history data available” will be developed using research, shop expertise, etc.

*\*\*Note: Exhibits enclosed are samples. Each exhibit can be tailored to apply depot unique and commodity unique estimating information. Where Work Breakdown Structure (WBS) has been developed, cost proposals will reflect Direct Labor Hours & Material Costs by shop, as well as hours required per shop in each WBS. Planner Estimator (PE) will provide the hours for each WBS by shop.*

- 1.3. Historical projects should be identified based on Master Work Schedule Line Numbers (MWSLN) assigned in previous production years. Defense Industrial Financial Management System (DIFMS) historical data will be pulled using the “Actuals by CON Report” (See sample Exhibit 3) for period ending whatever date the PE chooses. Data retrieved will reflect labor hours & material costs charged against historical jobs, as well as original estimated hours for each shop involved in the workload. This report will allow the PE to view 100% of historical data for the previous program and analyze accordingly. **JULY/AUGUST ODD YR**
- 1.4 PE will compare estimated hours documented on ROM proposal, against sample data pulled. The PE will also have to evaluate any program level Job Order Numbers (JONS) related to the **Actuals by Con Report** to ensure all related charges are captured. (i.e. pre-induction labor & material charges, inspection charges, etc.) PE will also consider requirements identified in baseline SOW to past performance information resident in DIFMS in order to ensure the scope of work is the same as historical work performed. Estimated Direct Labor Hours & Material Costs should be validated on the Job Plan Proposal Work Sheet (submitted by MD on original Exhibit 1A, 1B, 2A, 2B) by averaging data on historical data pulled. All changes to the data will be either validated or changed on the Job Plan Proposal Work Sheet. Significant changes in either direct labor hours or material should be documented & justified for future



reference, to become a part of the data package that supports the proposal data being submitted. **JULY/AUGUST ODD YR**

- 1.5 PE has the opportunity to solicit input from shop production personnel, shop planners, or any shop floor personnel with working knowledge of processes used in previous jobs or known production impediments. It is recommended that the PE solicit this input from the prime shop & support shop planners to accurately capture material or labor charges for any given job. (See sample Exhibit 4) ***NOTE:*** It is recommended that detailed material requirements be reviewed using NIMMS history reports. (See sample Exhibit 5) ***Exhibits 4 & 5 SHOULD be passed to support personnel & forwarded back to the PE to become a part of the history records used for development an/or validation of the ROM submitted to Maintenance Directorate personnel.*** **JULY/AUGUST ODD YR**
- 1.6 PE should ensure that input from shop personnel is incorporated into ROM proposal by documenting **valid** adjustments to Job Plan Proposal Work Sheet. When there are no changes to the original submitted ROM proposal data, PE should complete the concurrence block on Job Plan Proposal Work Sheet (Exhibits 1A, 1B, 2A, or 2B whichever is applicable) and compose the Master Work Plan (MWP) Cost Data Sheet that will summarize all the data on the Job Plan form (See sample – Exhibit 6) **JULY/AUGUST ODD YR**
- 1.7 PE will use Project Estimating Check Sheet (See sample Exhibit 7) to ensure all aspects of estimating have been considered when confirming the ROM. PE will retain original Job Plan Proposal Work Sheet with all backup data in the Program Management Dept of the Maintenance Centers. **JULY/AUGUST ODD YR**
- 1.8 PE will send copy of Job Plan Proposal Work Sheet and MWP Cost Data Sheet (Exhibits 1A, 1B, 2A, or 2B & 6) to MD by 2<sup>nd</sup> week of September. This package will represent all proposals for requirements provided by the MD. Maintenance Centers will flag all proposals that have changes to the original ROM. This will allow the MD personnel to focus on these changes first, prior to forwarding data to Life Cycle Management Center (LCMC) for Program Objective Memo (POM) submissions. **SEPTEMBER ODD YR**
- 1.8a MD will analyze and compare all Job Plans Proposals submitted by both depots. This comparison will be done to ensure that labor hours & material cost is balanced when the anticipated workload is the same for both depots. **SEPTEMBER ODD YR**
- 1.9 MD personnel will forward MWP Cost Data Sheets for two-year workload to LCMC for POM development & begin high-level development of the MWPs using Job Plan Proposal Worksheets for each respective year. **OCTOBER ODD YR**
- 1.10 MD will provide the **projected** MWP of sourcing decisions for one yr workload to LCMC. **NOVEMBER ODD YR**
- 1.11 MD will continue sourcing decisions & level Master Work Plan for one-year workload. **DECEMBER ODD YR**
- 1.12 MD will produce *official* MWP for one-year workload requirements (MWP) to Maintenance Centers & LCMC. **JANUARY EVEN YR**
- 1.13 Maintenance Centers will use the official MWP & final published SOW's, (and changes will be bold & italicized lettering) to conduct a **Start Work meeting** during the month

of January (scheduled last two weeks of month). This meeting is intended to be a joint effort, & technical in nature. Attendees will include LCMC Weapon system team experts, Maintenance Directorate production controllers & Maintenance Center duty experts. Maintenance Directorate will act as liaison during this meeting & will reconcile any differences brought about during discussions. Any changes as a result of this review will have qualifying statements on ROM sheets & will become final. **JANUARY EVEN YR**

- 1.14 MC's complete reviews & work start meetings and finalizes all proposals. The workload prices will also be adjusted, based on the most recent budget guidance available at this time. (i.e. January Presbud approved stabilized rates, etc.) All changes/adjustments should be documented on the Job Plan Proposal Worksheet and Cost Data Sheets & forwarded to the MD. These Proposals from this point forward will be considered **OFFICIAL COST ESTIMATES**, used to balance workload, negotiate workload, develop budget submissions and execution in the respective fiscal year. **FEBRUARY EVEN YR**
- 1.15 MD organizes & conducts official workload negotiations with all stakeholders. **FEBRUARY EVEN YR**
- 1.16 Maintenance Directorate will proceed with consolidating the budget. (MAY-JUN) LCMC will conduct Electronic Review and the cycle starts over for next MWP planning & scheduling efforts. **MAY/JUNE EVEN YR**

\*\*\*Note: Official Cost Estimates can be adjusted during year of execution; however, adjustments will be made using the existing change/impact process implemented by Maintenance Directorate.

### **Definition of Terms and Acronyms**

FY	Fiscal Year
NIMMS	Navy Industrial Material Management System
EMRC	Equipment Maintenance Requirement Conference
MWS	Master Work Schedule
DIFMS	Defense Industrial Financial Management System
MD	Maintenance Directorate
MD	Maintenance Directorate-Master Scheduling Team
POM	Program Objective Memorandum
SOR	Source Of Repair
MWP	Master Workload Plan
LCMC	Life Cycle Management Center
WBS	Work Breakdown Structure
ODD Year	01,03,05,etc
EVEN Year	02,04,06,etc
Sow's	Statement Of Work
DLH	Direct labor Hours
SFA	Stock Fund Asset
JON	Job Order Number
CWC	Cost Work Center
BOM	Bills Of Materials
PE	Planner Estimator
ROM	Rough Order Of Magnitude
CDS	Cost Data Sheets
MC	Maintenance Centers

FY \_\_\_\_ Workload \_\_\_\_ ALBANY \_\_\_\_ Proposal \_\_\_\_ Date \_\_\_\_  
 JON \_\_\_\_ JOB PLAN PROPOSAL WORK SHEET FINAL \_\_\_\_ Date \_\_\_\_

End Item NSN		Nomenclature		UNIT RC						
TAM #	QTY #	ROM DLH Hrs	ROM Mat Cost	DLH+ Rate+ Mat	Validate DLH Hrs	Validate Mat Cost	DLH+ Rate+ Mat	WBS1	WBS2	WBS3
CWC	Business Center Product Teams									
	Production Management Dept									
603	QA/QC Config data									
611	Engineering Dept									
616	Industrial Engineering									
621	Material Management									
622	SFC TMDE/Electronics									
623	SFC Heavy Mobile									
624	SFC MPTS									
625	Inventory Management									
626	Material Handling (MHE)									
630	Information Technology									
631	Application Team									
632	Master Planning Team									
643	Process Standards									
711	Engines									
712	Power Train									
713	HMMWV									
714	5-Ton									
715	M88									
716	LVS									
717	ENG/Construction									
721	Electrical Components									
722	Electrical Components									
723	AAV									
724	LAV									
725	M1A1									
726	Hydraulics/Misc									
727	Mechanical Components									
728	Optis Components									
729	Small Arms									
740	MPST									
741	Machine									
742	Sheet metal									
743	Welding									
744	Body Shop Heavy									
745	Clean/Blast									
746	Preservation									
747	Body Shop Heavy									
749	Paint									
730	Electronic									
731	ATEP Support									
732	Electronic Calb									
733	Mechanical Calb									
734	COMM/ELEC Equip									
735	Generator Elect									
Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total WBS										
Total Per Unit Cost				\$0.00			\$0.00			
Total Scheduled Job Plan Cost				\$0.00			\$0.00			

Baseline SOW Number # \_\_\_\_\_  
 Random Sampled Historical JON #'s \_\_\_\_\_  
 Planner Estimator \_\_\_\_\_  
 Production Controller \_\_\_\_\_



End Item NSN		Nomenclature								
TAM #		QTY #	UNIT RC'							
CWC	Business Center Product Teams:	ROM DLH Hrs	ROM Mat Cost	DLH+ Rate+ Mat	Validate DLH Hrs	Validate Mat Cost	DLH+ Rate+ Mat	WBS1	WBS2	WBS3
616	PROCESS ENGRNG									
607	MASTER SCHEDULING									
620	QUALITY ANALYSIS									
623	MATERIAL MANAGEMENT									
624	INVENTORY MANAGEMENT									
710	HEAVY MOBILE EQUIPMENT B.C.									
711	MOTOR ROOM									
713	HMMWV/LAV/SEE/Radiator									
714	TRKS/LVS/Cranes/Forklifts									
719	PAXMAN/TIRE									
721	TRANSMISSION/POWERTRAIN									
723	AAV HULLS									
725	M1A1/M88/DOZER/M9ACE/AVLB									
726	HYDRAULICS/FIRE SUSPENSION									
727	AAV COMPONENTS									
728	ELECTRO-OPTICS									
729	TURRET/ARTILLERY									
730	COMME/ELECT B. C.									
731	ELECT/AC/GEN/BATTERY									
732	GROUND COM									
733	MTDS									
734	HAWK/A TE									
735	RADAR									
737	LAUNCHER									
740	SUPPORT B. C.									
741	MACHINE SUPPORT									
742	SHEET METAL AND BODY SHOP									
743	WELDING & NDT									
744	UNDERCOAT/LUBE									
745	MATERIAL HANDLING (MHE)									
746	STEAM/BLAST									
748	CLEAN/PAINT/LATE/CANVAS									
749	PAINT, FINAL									
781	TAD									
Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total WBS										
Total Per Unit Cost				\$0.00			\$0.00			
Total Scheduled Job Plan Cost				\$0.00			\$0.00			

Baseline SOW Number # \_\_\_\_\_

Random Sampled Historical JON #'s \_\_\_\_\_

Planner Estimator \_\_\_\_\_

Production Controller \_\_\_\_\_

FY        Workload        ALBANY        Proposal        Date         
 JON        JOB PLAN PROPOSAL WORK SHEET W/O WBS FINAL        Date       

End Item NSN	TAM #	QTY #	Nomenclature					UNIT RC
CWC	Business Center Product Teams	ROM DLH Hrs	ROM Mat Cost	DLH+ Rate+ Mat	Validate DLH Hrs	Validate Mat Cost	DLH+ Rate+ Mat	
	<b>Production Management Dept</b>							
603	QA/QC Config data							
611	Engineering Dept							
616	Industrial Engineering							
621	Material Management							
622	SFC TMDE/Electronics							
623	SFC Heavy Mobile							
624	SFC MPTS							
625	Inventory Management							
626	Material Handling (MHE)							
630	Information Technology							
631	Application Team							
632	Master Planning Team							
643	Process Standards							
711	Engines							
712	Power Train							
713	HMMWV							
714	5-Ton							
715	M88							
716	LVS							
717	ENG/Construction							
721	Electrical Components							
722	Electrical Components							
723	AAV							
724	LAV							
725	M1A1							
726	Hydraulics/Misc							
727	Mechanical Components							
728	Optis Components							
729	Small Arms							
740	MPST							
741	Machine							
742	Sheet metal							
743	Welding							
744	Body Shop Heavy							
745	Clean/Blast							
746	Preservation							
747	Body Shop Heavy							
749	Paint							
730	Electronic							
731	ATEP Support							
732	Electronic Calb							
733	Mechanical Calb							
734	COMMELEC Equip							
735	Generator Elect							
Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total WBS				\$0.00			\$0.00	
Total Per Unit Cost				\$0.00			\$0.00	
Total Scheduled Job Plan Cost				\$0.00			\$0.00	

Baseline SOW Number # \_\_\_\_\_  
 Random Sampled Historical JON #'s \_\_\_\_\_  
 Planner Estimator \_\_\_\_\_  
 Production Controller \_\_\_\_\_

Job Order Plan w/wbs.xls

Exhibit 2A

FY \_\_\_\_ Workload \_\_\_\_ BARSTOW \_\_\_\_ Proposal \_\_\_\_ Date \_\_\_\_  
 JON \_\_\_\_ JOB PLAN PROPOSAL WORK SHEET FINAL \_\_\_\_ Date \_\_\_\_

End Item NSN		Nomenclature					
TAM #	QTY #	UNIT RC					
CWC	Business Center Product Team	ROM DLH Hrs	ROM Mat Cost	DLH+ Rate+ Mat	Validate DLH Hrs	Validate Mat Cost	DLH+ Rate+ Mat
616	PROCESS ENGRNG						
607	MASTER SCHEDULING						
620	QUALITY ANALYSIS						
623	MATERIAL MANAGEMENT						
624	INVENTORY MANAGEMENT						
710	HEAVY MOBILE EQUIPMENT B.C.						
711	MOTOR ROOM						
713	HMMWV/LAV/SEE/Radiator						
714	TRKS/LVS/CRANES/FORKLIFTS						
719	PAXMAN/TIRE						
721	TRANSMISSION/POWERTRAIN						
723	AAV HULLS						
725	M1A1/M88/DOZER/M9ACE/AVLB						
726	HYDRAULICS/FIRE SUSPENSION						
727	AAV COMPONENTS						
728	ELECTRO-OPTICS						
729	TURRET/ARTILLERY						
730	COMME/ELECT B. C.						
731	ELECT/AC/GEN/BATTERY						
732	GROUND COM						
733	MTDS						
734	HAWK/ATE						
735	RADAR						
737	LAUNCHER						
740	SUPPORT B. C.						
741	MACHINE SUPPORT						
742	SHEET METAL AND BODY SHOP						
743	WELDING & NDT						
744	UNDERCOAT/LUBE						
745	MATERIAL HANDLING (MHE)						
746	STEAM/BLAST						
748	CLEAN/PAINT/LATE/CANVAS						
749	PAINT, FINAL						
Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total WBS							
Total Per Unit Cost				\$0.00			\$0.00
Total Scheduled Job Plan Cost				\$0.00			\$0.00

Baseline SOW Number # \_\_\_\_\_  
 Random Sampled Historical JON #'s \_\_\_\_\_  
 Planner Estimator \_\_\_\_\_  
 Production Controller \_\_\_\_\_

Job Order Plan w/wbs.xls

Exhibit 2B



# Actuals By Con for Period Ending: 1/31/01

*This Report is Business Sensitive*

JON	SHOP	Estimated	Actual	Actual	Remaining	Estimated	Actual	Estimated	Actual	Actual	Actual	Actual	Remaining
		Civilian	Civilian	Contracto	Hrs	Military	Military	Material	Material	Contractua	Cost	Other	Material
		Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Cost	Cost	Cost	Cost	Cost	Cost

Planner Code: 06

CON: J53

CWC: 61600

07QV010	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV020	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV030	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV040	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV050	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV060	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV070	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV080	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV090	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QV100	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
07QVFP0	61600	9.00	0.00	0.00	9.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	78.00
<b>CWC Totals:</b>		<b>99.00</b>	<b>0.00</b>	<b>0.00</b>	<b>99.00</b>	<b>0.00</b>	<b>0.00</b>	<b>858.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>858.00</b>

CWC: 62200

07QV010	62200	75.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CWC Totals:</b>		<b>75.00</b>	<b>0.00</b>	<b>0.00</b>	<b>75.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

CWC: 62300

07QV010	62300	222.00	79.25	0.00	142.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07QV020	62300	222.00	53.00	0.00	169.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07QV030	62300	222.00	46.00	0.00	176.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*This Report is Business Sensitive*

## Manhours & Parts Proposal Adjustments

FY\_\_\_\_\_ Work Load

Proposal\_\_\_\_\_ Date\_\_\_\_\_

JON# \_\_\_\_\_

Final \_\_\_\_\_ Date \_\_\_\_\_

Baseline SOW # \_\_\_\_\_

**UNIT MANHOURS ADJUSTMENTS:**[illegible]

### Unit Material Adjustments:

NSN	U/C	QTY	Extended Price:
	\$0.00		

TOTAL Increase/Decrease\_\_\_\_\_

Signature\_\_\_\_\_

SAMPLE\*\*\*SAMPLE\*\*\*

THIS REPORT WAS EXTRACTED FRM NIMMS HISTORY INTO ACCESS CONVERTED TO EXCEL

### NIMMS HISTORY MATERIAL REPORT

REC CODE	FSC	NIIN	NOMENCLATURE	TRANS_UN IT_ISSUE	TRANS_ QTY	PRICE	EXT PRICE	JON	SHOP	Expri	DATE POSTED
32	1440	011427563	SEAL OIL	EA	6	4.36	26.16	0608030	71400	060803	082
32	2510	007409613	SPRING ASSEMBLY, LEA	EA	1	447.12	447.12	0608030	71400	060803	110
32	2510	007409617	SHOCK ABSORBER, DIRE	EA	1	51.62	51.62	0608030	71400	060803	089
32	2510	007368622	BRACKET ASSEMBLY, WI	EA	2	4.04	8.08	0608030	74400	060803	075
32	2510	007373287	WEATHERSTRIP	EA	2	3.61	7.22	0608030	74400	060803	075
32	2510	011089122	WINDSHIELD ASSEMBLY	EA	2	616	1232	0608030	74400	060803	075
32	2510	013182814	INSULATION PANEL, VE	EA	1	179.4	179.4	0608030	74400	060803	122
32	2510	013182817	INSULATION PANEL, VE	EA	1	14.11	14.11	0608030	74400	060803	122
32	2510	013182818	INSULATION PANEL, VE	EA	1	44.54	44.54	0608030	74400	060803	122
32	2510	000571630	PAD, DOOR CHECK	EA	2	0.78	1.56	0608030	74700	060803	076
32	2510	010823603	INSULATION, VEHICULA	EA	1	36.7	36.7	0608030	74700	060803	090
32	2510	010823604	INSULATION, VEHICULA	EA	1	36.11	36.11	0608030	74700	060803	090
32	2510	010823604	INSULATION, VEHICULA	EA	1	36.8	36.8	0608030	74700	060803	125
32	2510	010823621	INSULATION, VEHICULA	EA	1	17.98	17.98	0608030	74700	060803	090
32	2510	010823622	INSULATION, VEHICULA	EA	1	18.21	18.21	0608030	74700	060803	090
32	2510	010827455	INSULATION, VEHICULA	EA	1	20.02	20.02	0608030	74700	060803	090
32	2510	010840446	INSULATION, VEHICULA	EA	1	22.33	22.33	0608030	74700	060803	090
32	2510	013182817	INSULATION PANEL, VE	EA	1	12.76	12.76	0608030	74700	060803	090
32	2520	003884197	SPIDER, UNIVERSAL JO	EA	1	29.89	29.89	0608030	71200	060803	146
32	2530	009334941	ROD, ALIGNING, VEHICULAR A	EA	2	159.86	319.72	0608030	71400	060803	116
32	2540	004813637	BLADE WINDSHIELD	EA	2	4.57	9.14	0608030	71400	060803	126
32	2540	007896192	SWITCH, STOPLIGHT, AU	EA	1	17.23	17.23	0608030	71400	060803	153
32	2540	010831116	NOZZLE, DEFROSTER, VE	EA	1	124.05	124.05	0608030	71400	060803	103
32	2540	011010010	WINDSHIELD WASHER ASSEMB	EA	1	46.76	46.76	0608030	71400	060803	098
32	2540	011236823	ARM, WINDSHIELD	EA	2	16.16	32.32	0608030	71400	060803	126
32	2540	013030600	PARTS KIT, W/SW MOTOR	KT	2	114.86	229.72	0608030	71400	060803	101
32	2540	006930603	REGULATOR, VEHICLE W	EA	1	36.64	36.64	0608030	74400	060803	075
32	2540	007373286	CHANNEL, LIFT, VEHICL	EA	2	8.46	16.92	0608030	74400	060803	075
32	2540	007373298	CHANNEL, LIFT, VEHICL	EA	2	8.89	17.78	0608030	74400	060803	075
32	2540	007376203	BUMPER, VEHICULAR	EA	1	108.75	108.75	0608030	74400	060803	075
32	2540	012565331	PARTS KIT, SEAT BELT	KT	1	95.1	95.1	0608030	74700	060803	094
32	2590	007409553	RING, WIPER	EA	4	4.87	19.48	0608030	71400	060803	098
			TOTALS			2342.58	3316.22				

NIMMS History Mat'l Report

Exhibit 5

# MWS COST DATA SHEET

ALBANY \_\_\_\_\_  
BARSTOW \_\_\_\_\_

<u>MWSLIN/JON</u>	<u>NOMENCLATURE</u>	<u>FY WORKLOAD</u>	<u>NSN</u>	<u>TAM</u>
UNIT RCT				
QTY SCHEDULED				
	<u>TOTAL JOB</u>			<u>UNIT HR/COST</u>
DLH HOURS				
MILITARY HOURS				
TOTAL HOURS				
DLH COSTS				
MILITARY LABOR				
TOTAL DLH COST				
SFA MATERIAL				
TOTAL MATERIAL				
TOTAL			<u>TOTAL UNIT COST</u>	
SCHEDULE PLAN				
REMARKS				

QUALIFYING STATEMENT FOR CHANGES:

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	JON	FY	Workload	New/Previous
Initial				
	DATE			
	NOMENCLATURE			
	NSN			
	TAM#			
	PROPOSAL DTD		COST ESTIMATE DTD	
	PLANNER/ESTIMATOR			
	CHECK SOW OR MOA? NUMBER		DATE	
	SOW CHANGES CONSIDERED			
	CHECK FOR PRIOR HISTORY:			
	DIFMS HISTORY REPORTS ATTACHED			
	LABOR RATES USED			
	SHOP PLANNER/MATERIAL PLANNER CONTACTED			
	HAVE YOU CONSIDERED TIME AND MATERIAL FOR:			
	QUALITY CONTROL			
	GRAPHICS ART			
	SHOP FLOOR CONTROL			
	PROJECT MANAGEMENT			
	COMPONENTS			
	POWER TRAIN			
	PRIME SHOP			
	ELECTRICAL COMPONENTS			
	ELECTRONIC COMPONENTS			
	HYDRAULICS			
	MECHANICAL COMPONENTS			
	OPTICS/FIRE CONTROL			
	SMALL ARMS			
	MACHINE SHOP			
	WELDING SHOP			
	BODY SHOP			
	CLEANING/SANDBLAST			
	PRESERVATION			
	PAINT			
	OIL ANALYSIS			
	ATEP			
	RADIAC CALIBRATION			
	ELECTRONIC CALIBRATION			
	PHYSICAL DIMENSION CALIBRATIONS			
	WIPE TEST REQUIREMENTS			
	ELECTRO-OPTICAL			
	COMM/ELEC			
	GENERAL PROPERTY			
	GROUND COMM			
	SIDE BAND			
	RADAR			
	MICROWAVE			
	TAD			
	MANAGEMENT RESERVE			
	QUANTITY DISCOUNT (PRODUCTION LINE)			



	CONTACTING CUSTOMER FOR CLARIFICATION
	AVAILABILITY OF PUBLICATIONS
	MATERIAL DOLLAR INFLATION CONSIDERED
	LTI CONSIDERED IF VEHICLE AVAILABLE
	PRE INVENTORY INSPECTION
	PRE INDUCTION INSPECTION
	NO PRIOR HISTORY 40% LABOR 20% MATERIAL
	DISCUSSED ESTIMATE WITH AFFECTED CWCs